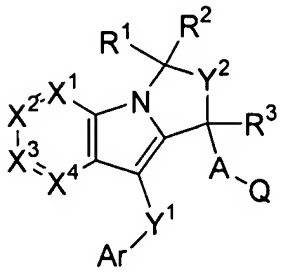
**In the Claims**

1. (Amended) A compound having the formula I



I

and pharmaceutically acceptable salts and hydrates thereof, wherein:
A is selected from $C_{1-3}$alkyl optionally substituted with one to four halogen atoms, $O(CH_2)_{1-2}$, and $S(CH_2)_{1-2}$;
Ar is aryl or heteroaryl each optionally substituted with one to four groups independently selected from Rg;
Q is ~~selected from:~~

(1) COOH,
~~(2) $CONR^aR^b$,~~
~~(3) $C(O)NHSO_2R^c$,~~
~~(4) $SO_2NHR^a$,~~
~~(5) $SO_3H$,~~
~~(6) $PO_3H_2$, and~~
(7) ~~tetrazolyl~~;

one of $X^1$, $X^2$, $X^3$ or $X^4$ is nitrogen and the others are independently selected from CH and C-Rg and Rg is selected from 1) $C_{1-6}$alkyl optionally substituted with one to eight groups independently selected from aryl, heteroaryl, halogen, $NR^aR^b$, $C(O)R^a$, $C(OR^a)R^aR^b$, $SR^a$ and $OR^a$, wherein aryl, heteroaryl and alkyl are each optionally substituted with one to six groups independently selected from halogen, $CF_3$, and COOH, or 2) $S(O)_nC_{1-6}$alkyl, wherein alkyl is optionally substituted with one to six substituents selected from halogen, aryl, heteroaryl, OH, and $OC(O)R^a$;

$Y^1$ is S;~~selected from $-(CR^dR^e)_a-X-(CR^dR^e)_b-$, phenylene, $C_{3-6}$cycloalkylidene and $C_{3-6}$cycloalkylene, wherein a and b are integers 0-1 such that the sum of a and b equals 0, 1 or 2, and X is a bond, O, S, $NR^a$, C(O), $CH(OR^a)$, OC(O), C(O)O, $C(O)NR^a$, $OC(O)NR^a$, $NR^aC(O)$, $CR^d=CR^e$ or C≡C~~;

$Y^2$ is selected from $(CR^dR^e)_m$ and $CR^d{=}CR^e$;

$R^1$ is selected from H, CN, $OR^a$, $S(O)_nC_{1-6}$alkyl and $C_{1-6}$alkyl optionally substituted with one to six groups independently selected from halogen, $OR^a$ and $S(O)_nC_{1-6}$alkyl;

$R^2$ is selected from H and $C_{1-6}$alkyl optionally substituted with one to six halogen; or

~~$R^1$ and $R^2$ together represent an oxo; or~~

~~$R^1$ and $R^2$ taken together form a 3- or 4- membered ring containing 0 or 1 heteroatom selected from $NR^f$, S, and O optionally substituted with one or two groups selected from F, $CF_3$ and $CH_3$;~~

$R^3$ is selected from H and $C_{1-6}$alkyl optionally substituted with one to six groups independently selected from $OR^a$ and halogen;

$R^a$ and $R^b$ are independently selected from H, $C_{1-10}$alkyl, $C_{2-10}$alkenyl, $C_{2-10}$alkynyl, Cy and Cy $C_{1-10}$alkyl, wherein said alkyl, alkenyl, alkynyl and Cy are optionally substituted with one to six substituents independently selected from halogen, amino, carboxy, $C_{1-4}$alkyl, $C_{1-4}$alkoxy, aryl, heteroaryl, aryl $C_{1-4}$alkyl, hydroxy, $CF_3$, $OC(O)C_{1-4}$alkyl, $OC(O)NR^iR^j$, and aryloxy; or

~~$R^a$ and $R^b$ together with the atom(s) to which they are attached form a heterocyclic ring of 4 to 7 members containing 0-2 additional heteroatoms independently selected from oxygen, sulfur and N-$R^f$;~~

$R^c$ is selected from $C_{1-6}$alkyl optionally substituted with one to six halogen, aryl and heteroaryl, wherein said aryl and heteroaryl are optionally substituted with one to three groups selected from halogen, $OC_{1-6}$alkyl, O-halo$C_{1-6}$alkyl, $C_{1-6}$alkyl and halo$C_{1-6}$alkyl;

$R^d$ and $R^e$ are independently H, halogen, aryl, heteroaryl, $C_{1-6}$alkyl or halo$C_{1-6}$alkyl;

$R^f$ is selected from H, $C_{1-6}$alkyl, halo$C_{1-6}$alkyl, Cy, $C(O)C_{1-6}$alkyl, C(O)halo$C_{1-6}$ alkyl, and C(O)-Cy;

Rg is selected from

(1) halogen,

(2) CN,

(3) $C_{1-6}$alkyl optionally substituted with one to eight groups independently selected from aryl, heteroaryl, halogen, $NR^aR^b$, $C(O)R^a$, $C(OR^a)R^aR^b$, $SR^a$ and $OR^a$, wherein aryl, heteroaryl and alkyl are each optionally substituted with one to six groups independently selected from halogen, $CF_3$, and COOH,

(4) $C_{2-6}$alkenyl optionally substituted with one to six groups independently selected from halogen and $OR^a$,

(5) Cy

(6) $C(O)R^a$,

(7) $C(O)OR^a$,

(8) $CONR^aR^b$,
(9) $OCONR^aR^b$,
(10) $OC_{1-6}$alkyl, wherein alkyl is optionally substituted with one to six substituents selected from halogen, aryl, heteroaryl, OH and $OC(O)R^a$,
(11) O-Cy,
(12) $S(O)_nC_{1-6}$alkyl, wherein alkyl is optionally substituted with one to six substituents selected from halogen, aryl, heteroaryl, OH, and $OC(O)R^a$,
(13) $S(O)_n$-Cy,
(14) $-NR^aS(O)_nR^b$,
(15) $-NR^aR^b$,
(16) $-NR^aC(O)R^b$,
(17) $-NR^aC(O)OR^b$,
(18) $-NR^aC(O)NR^aR^b$,
(19) $S(O)_nNR^aR^b$,
(20) $NO_2$,
(21) $C_{5-8}$cycloalkenyl,

wherein Cy is optionally substituted with one to eight groups independently selected from halogen, $C(O)R^a$, $OR^a$, $C_{1-3}$alkyl, aryl, heteroaryl and $CF_3$;

$R^i$ and $R^j$ are independently selected from hydrogen, $C_{1-10}$alkyl, Cy and Cy-$C_{1-10}$alkyl; or $R^i$ and $R^j$ together with the nitrogen atom to which they are attached form a ring of 5 to 7 members containing 0-2 additional heteroatoms independently selected from oxygen, sulfur and N-$R^f$;

Cy is selected from heterocyclyl, aryl, and heteroaryl;

m is 1, or 2 ~~or 3~~; and

n is 0, 1 or 2.

2. (Original) A compound of Claim 1 wherein A-Q is $CH_2CO_2H$.

3. (Original) A compound of Claim 1 wherein Ar is naphthyl or optionally substituted phenyl wherein said substituents are 1 or 2 groups independently selected from Rg.

4. (Cancel)

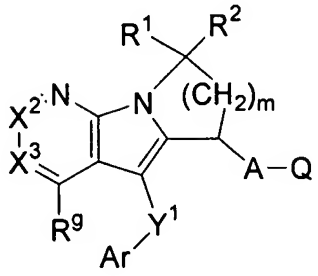
5. (Cancel)

6. (Original) A compound of Claim 1 wherein one of $X^1$, $X^2$ and $X^3$ is nitrogen and the others are CH, and $X^4$ is C-$S(O)_n$-$C_{1-6}$alkyl or C-$C_{1-6}$alkyl optionally substituted with $OR^a$.

7. (Original) A compound of Claim 1 wherein $R^1$, $R^2$ and $R^3$ are each hydrogen.

8. (Original) A compound of Claim 1 wherein $Y^2$ is selected from $CH_2$ and $CH_2CH_2$.

9. (Original) A compound of Claim 1 represented by the formula Ia:



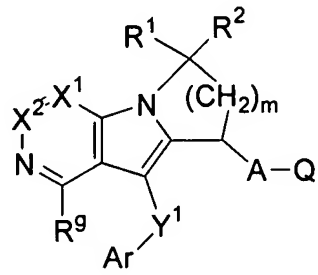

Ia

wherein $X^2$ and $X^3$ are independently CH or C-Rg, A, Ar, Q, $Y^1$, $R^1$, $R^2$, m and Rg are as defined in Claim 1.

10. (Original) A compound of Claim 9 wherein $X^2$ and $X^3$ are each CH, $R^1$ and $R^2$ are each H, and A-Q is $CH_2CO_2H$.

11. (Original) A compound of Claim 9 wherein $Y^1$-Ar is S-phenyl optionally substituted with 1 or 2 groups independently selected from halogen, $C_{1-6}$ alkyl and trifluoromethyl.

12. (Original) A compound of Claim 1 represented by the formula Ib:



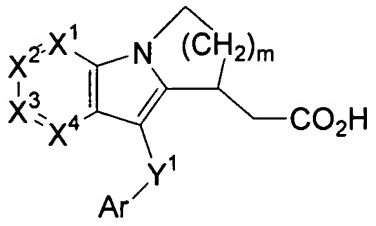

Ib

wherein $X^1$ and $X^2$ are independently CH or C-Rg, A, Ar, Q, $Y^1$, $R^1$, $R^2$, m and Rg are as defined in Claim 1.

13. (Original) A compound of Claim 12 wherein $X^1$ and $X^2$ are each CH, $R^1$ and $R^2$ are each H, and A-Q is $CH_2CO_2H$.

14. (Original) A compound of Claim 13 wherein $Y^1$-Ar is S-phenyl optionally substituted with 1 or 2 groups independently selected from halogen, $C_{1-6}$ alkyl and trifluoromethyl.

15. (Original) A compound of Claim 1 represented by the formula Ic:




Ic

wherein one of $X^1$, $X^2$ and $X^3$ is N and the others are each CH, $X^4$ is CRg, m is 1 or 2, and Ar, $Y^1$ and m are as defined in Claim 1.

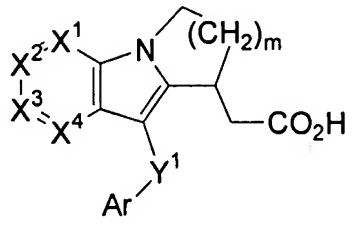
16. (Original) A compound of Claim 15 wherein Ar is phenyl optionally substituted with 1 or 2 groups independently selected from halogen, $C_{1-3}$alkyl and trifluoromethyl.

17. (Cancel)

18. (Original) A compound of Claim 15 wherein $X^4$ is selected from C-$S(O)_n$-$C_{1-6}$alkyl and C-$C_{1-6}$alkyl optionally substituted with $OR^a$.

19. (Amended) A compound of Claim 15 wherein $Y^1$-Ar is S-phenyl optionally substituted with 1 or 2 groups independently selected from halogen, $C_{1-6}$alkyl and trifluoromethyl; $X^1$ and $X^2$ are each CH, $X^3$ is N, m is 1 or 2, and $X^4$ is C-$SO_2C_{1-6}$alkyl or C-$C_{1-6}$alkyl.

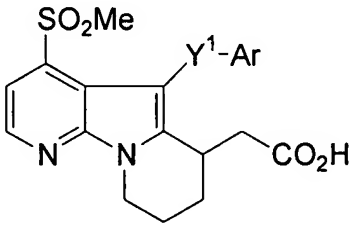
20. (Amended) A compound of Claim 1 selected from:




| X1 | X2 | X3 | X4 | Ar | Y1 | m |
|---|---|---|---|---|---|---|
| N | CH | CH | C($SO_2CH_3$) | 4-Cl-Ph | S | 2 |
| N | CH | CH | C($SCH_3$) | 4-Cl-Ph | S | 2 |
| N | CH | CH | C($SO_2CH_3$) | 3,4-diCl-Ph | S | 2 |
| ~~N~~ | ~~CH~~ | ~~CH~~ | ~~C($SO_2CH_3$)~~ | ~~4-Cl-Ph~~ | ~~C(O)~~ | ~~2~~ |
| N | CH | CH | C($SO_2CH_3$) | 4-Br-Ph | S | 2 |
| CH | CH | N | C($SO_2CH_3$) | 3,4-diCl-Ph | S | 1 |
| CH | CH | N | C($SO_2CH_3$) | 3,4-diCl-Ph | S | 2 |
| N | CH | CH | C($SO_2CH_3$) | 4-$CF_3$-Ph | S | 2 |
| N | CH | CH | C($SO_2CH_3$) | 2-Cl-4-F-Ph | S | 2 |
| N | CH | CH | C($SO_2CH_3$) | 2-naphthyl | S | 2 |
| N | CH | CH | C($SO_2CH_3$) | 2,3-diCl-Ph | S | 2 |
| N | CH | CH | C($SO_2CH_3$) | 4-$CH_3$-Ph | S | 2 |
| N | CH | CH | C($SO_2CH_3$) | Ph | S | 2 |
| N | CH | CH | C($SO_2CH_3$) | 2,4-diCl-Ph | S | 2 |
| CH | N | CH | C($SO_2CH_3$) | 4-Cl-Ph | S | 2 |
| CH | CH | N | C($SO_2CH_3$) | 4-Cl-Ph | S | 2 |
| N | C($CH_3$) | CH | C($SO_2CH_3$) | 4-Cl-Ph | S | 2 |
| N | CH | C($CH_3$) | C($SO_2CH_3$) | 4-Cl-Ph | S | 2 |
| CH | C($CH_3$) | N | C($SO_2CH_3$) | 4-Cl-Ph | S | 2 |
| C($CH_3$) | CH | N | C($SO_2CH_3$) | 4-Cl-Ph | S | 2 |
| N | CH | CH | C($CH(CH_3)2$) | 4-F-Ph | S | 2 |
| N | CH | CH | C($CH(CH_3)2$) | 4-Cl-Ph | S | 2 |
| N | CH | CH | C($CH(CH_3)2$) | 2,4-diCl-Ph | S | 2 |
| N | CH | CH | C($CH(CH_3)2$) | 4-Br-Ph | S | 2 |
| N | CH | CH | C($CH(CH_3)2$) | 2-Cl-4-F-Ph | S | 2 |
| N | CH | CH | C($CH(CH_3)2$) | 3,4-diCl-Ph | S | 2 |
| CH | CH | N | C($CH(CH_3)2$) | 4-F-Ph | S | 2 |
| CH | CH | N | C($CH(CH_3)2$) | 4-Cl-Ph | S | 2 |

| $X^1$ | $X^2$ | $X^3$ | $X^4$ | Ar | $Y^1$ | m |
|---|---|---|---|---|---|---|
| CH | CH | N | C(CH(CH3)2) | 2,4-diCl-Ph | S | 2 |
| CH | CH | N | C(CH(CH3)2) | 4-Br-Ph | S | 2 |
| CH | CH | N | C(CH(CH3)2) | 2-Cl-4-F-Ph | S | 2 |
| CH | CH | N | C(CH(CH3)2) | 3,4-diCl-Ph | S | 2 |
| CH | CH | N | C(CH(CH3)2) | 4-F-Ph | S | 1 |
| CH | CH | N | C(CH(CH3)2) | 4-Cl-Ph | S | 1 |
| CH | CH | N | C(CH(CH3)2) | 2,4-diCl-Ph | S | 1 |
| CH | CH | N | C(CH(CH3)2) | 4-Br-Ph | S | 1 |
| CH | CH | N | C(CH(CH3)2) | 2-Cl-4-F-Ph | S | 1 |
| CH | CH | N | C(CH(CH3)2) | 3,4-diCl-Ph | S | 1 |
| CH | N | CH | C(CH(CH3)2) | 4-F-Ph | S | 1 |
| CH | N | CH | C(CH(CH3)2) | 4-Cl-Ph | S | 1 |
| CH | N | CH | C(CH(CH3)2) | 2,4-diCl-Ph | S | 1 |
| CH | N | CH | C(CH(CH3)2) | 4-Br-Ph | S | 1 |
| CH | N | CH | C(CH(CH3)2) | 2-Cl-4-F-Ph | S | 1 |
| CH | N | CH | C(CH(CH3)2) | 3,4-diCl-Ph | S | 1 |
| CH | N | CH | C(CH(CH3)2) | 4-F-Ph | S | 2 |
| CH | N | CH | C(CH(CH3)2) | 4-Cl-Ph | S | 2 |
| CH | N | CH | C(CH(CH3)2) | 2,4-diCl-Ph | S | 2 |
| CH | N | CH | C(CH(CH3)2) | 4-Br-Ph | S | 2 |
| CH | N | CH | C(CH(CH3)2) | 2-Cl-4-F-Ph | S | 2 |
| CH | N | CH | C(CH(CH3)2) | 3,4-diCl-Ph | S | 2 |
| N | CH | CH | C(CH(OCH3)(CH2CH3)) | 4-Cl-Ph | S | 2 |
| N | CH | CH | C(CH(OCH3)(CH2CH3)) | 4-Cl-Ph | S | 1 |
| CH | N | CH | C(CH(OCH3)(CH2CH3)) | 4-Cl-Ph | S | 1 |
| CH | N | CH | C(CH(OCH3)(CH2CH3)) | 4-Cl-Ph | S | 2 |
| CH | CH | N | C(CH(OCH3)(CH2CH3)) | 4-Cl-Ph | S | 2 |
| CH | CH | N | C(CH(OCH3)(CH2CH3)) | 4-Cl-Ph | S | 1 |
| N | CH | CH | C(C(CH3)3) | 4-Cl-Ph | S | 2 |

| $X^1$ | $X^2$ | $X^3$ | $X^4$ | Ar | $Y^1$ | m |
|---|---|---|---|---|---|---|
| N | CH | CH | $C(C(CH_3)_3)$ | 3,4-diCl-Ph | S | 2 |
| N | CH | CH | $C(C(CH_3)_3)$ | 4-Br-Ph | S | 2 |
| N | CH | CH | $C(C(CH_3)_3)$ | 4-$CF_3$-Ph | S | 2 |
| N | CH | CH | $C(C(CH_3)_3)$ | 2-Cl-4-F-Ph | S | 2 |
| N | CH | CH | $C(C(CH_3)_3)$ | 2-naphthyl | S | 2 |
| N | CH | CH | $C(C(CH_3)_3)$ | 2,3-diCl-Ph | S | 2 |
| N | CH | CH | $C(C(CH_3)_3)$ | 4-$CH_3$-Ph | S | 2 |
| N | CH | CH | $C(C(CH_3)_3)$ | Ph | S | 2 |
| N | CH | CH | $C(C(CH_3)_3)$ | 2,4-diCl-Ph | S | 2 |




| Ar | $Y^1$ |
|---|---|
| 5-tetrazolyl | S |
| 2-pyrrolyl | S |
| 1,2,4-triazoly-3-yl | S |
| 1,2,3-triazol-4-yl | S |
| 5-imidazolyl | S |
| 4-pyrazolyl | S |
| 5-pyrazolyl | S |
| (1H,4H)-5-oxo-1,2,4-triazol-3-yl | S |
| 4-isothiazolyl | S |
| 1,2,5-thiadiazol-5-yl | S |
| 1,2,5-oxadiazol-5-yl | S |
| 3-furanyl | S |
| 1,2,3-thiadiazol-4-yl | S |
| 1,2,3-oxadiazol-4-yl | S |
| 4-isoxazolyl | S |
| 3-thienyl | S |
| 4-oxazolyl | S |
| 4-thiazolyl | S |

| Ar | Y1 |
|---|---|
| (5H)-2-oxo-5-furanyl | S |
| (5H)-2-oxo-4-furanyl | S |
| 1,2,4-oxadiazol-5-yl | S |
| 3-pyridyl | S |
| 2-pyrazinyl | S |
| 5-pyrimidinyl | S |
| 2-indolyl | S |
| 2-benzothienyl | S |
| 2-benzofuranyl | S |
| 4-oxo-benzopyran-2-yl | S |
| 2-quinolinyl | S |
| 2-benzimidazolyl | S |
| 2-benzoxazolyl | S |
| 2-benzothiazolyl | S |
| 1-benzotriazolyl | $CH_2S$ |
| thieno[2,3-b]pyridin-2-yl | S |

21. (Original) A pharmaceutical composition comprising a compound of Claim 1 and a pharmaceutically acceptable carrier.

22. (Original) The composition of Claim 21 further comprising a second active ingredient selected from an antihistamine, a leukotriene antagonist and a leukotriene biosynthesis inhibitor.

23. (Original) A method for the treatment of prostaglandin D2 mediated diseases which comprises administering to a patient in need of such treatment a therapeutically effective amount of a compound of Claim 1.

24. (Original) A method for the treatment of nasal congestion which comprises administering to a patient in need of such treatment a therapeutically effective amount of a compound of Claim 1.

25. (Original) A method for the treatment of allergic asthma which comprises administering to a patient in need of such treatment a therapeutically effective amount of a compound of Claim 1.

26. (Original) A method for the treatment of allergic rhinitis which comprises administering to a patient in need of such treatment a therapeutically effective amount of a compound of Claim 1.

27. (Previously Cancelled)

28. (Previously Cancelled)

29. (Previously Cancelled)

30. (Previously Cancelled)